



Probe Tip

Probe Connector Repair Tool

Bently Nevada Proximity Transducer Systems have used miniature coaxial connectors on probes, Proximitors, and extension cables for many years. In fact, these durable connectors have been used on virtually all Bently probes since the 1960s. Their excellent electrical properties, ruggedness and corrosion resistance have made these miniature coaxial connectors reliable system components.

Industrial environments can sometimes be harmful to probe connectors. Therefore, we recommend the use of our Connector Protectors on **most proximity probe connections that use coaxial connectors**. These Connector Protectors are made of fluoro-silicone elastomer rubber that provides exceptional electrical and mechanical protection for probe connections.

If a connector is damaged by being dropped or bent, it may be possible to conveniently repair it on-site using our Connector Repair Tool.

This tool consists of an aluminum cylinder with a knurled grip area containing two precision steel inserts. These inserts are positioned to simulate each of the two mating connectors of our probes and cables. One end of the tool contains a simulated male connector and the other end contains a simulated female connector. This allows you to repair either male or female proximity probe connectors.



Connector Repair Tool



Connector Protector Kit

Miniature coaxial connectors have stainless steel outer shells that are extremely durable. In contrast, the gold-plated center conductor is less resilient due to its material and the tight tolerances around it. If this conductor is bent off center, the Connector Repair Tool can restore it to its proper position, saving the connector and saving you time and money.

On 3000 and 7200 Series Proximitors, the female bulkhead connector is mounted on the Proximitor® surface. If it is bumped or nicked, or if the Proximitor is dropped, the connector could be bent inward toward its insulator. A small screwdriver can't be used to restore the critical tolerances needed to make the connection and could also cause further damage. Since this connector can't be replaced in the field, the entire 3000 or 7200 Proximitor would need to be replaced. This could be inconvenient if spares aren't readily available. In comparison, 3300 Proximitor connectors are located in a recessed area to **protect the connector** if it is dropped. However, the connector could still be damaged in an unusual circumstance.

In either situation, the Connector Repair Tool could be used to re-align the conductors and make the connection. The tool can be easily stored in the Connector Protector Kit which is another excellent accessory to have on hand during routine transducer service or maintenance. This kit was recently reduced 25 percent. When you place your next "spare parts" order, request the Connector Repair Tool with the order. The low price of the tool could pay for itself the first time you use it!

For more information on transducer accessories, contact your nearest Bently Nevada sales or service representative. ■